

Issues for March 3 2016 CCAB discussion
New & revised language is highlighted.
Feb 26, 2016

706.3 Materials. Fire walls that separate a building of Type I or II construction from a building of any construction type shall be of any approved noncombustible materials. Other fire walls shall be built of materials consistent with the types permitted for the type of construction of the building.

((Exception: Buildings of Type V construction.))

1005.6 Egress convergence. Where the *means of egress* from stories above and below converge at an intermediate level, the capacity of the *means of egress* from the point of convergence shall be not less than the largest minimum width or the sum of the required capacities for the *stairways* or *ramps* serving the two adjacent stories, whichever is larger.

Exception: The capacity necessary for parking uses need not be considered.

Code Alternate CA1008.2: Compliance with the following paragraphs will be deemed to satisfy the requirement for means of egress illumination at every point in the means of egress. Means of egress illumination systems that comply with this Code Alternate shall also comply with Section 1008.3.

1. Location and fixture placement. Means of egress illumination shall be located in stairways, corridors, halls, passenger elevator cars, lobbies, rooms with an occupant load of 100 or more, and other areas required to provide safe egress from the premises and immediately outside of the building exit when required by the building official. Fixtures shall be installed to not less than the following schedule:

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| 1.1 | <u>Interior and exterior stairways and landings and outside building exit</u> | <u>At least one per landing</u> |
| 1.2 | <u>Corridors and halls and designated means of egress paths in parking garages</u> | <u>At least one for each 40 lineal feet</u> |
| 1.3 | <u>Lobbies, vestibules, foyers, elevator cars and other similar areas as required</u> | <u>At least one for each 250 square feet</u> |
| 1.4 | <u>Warehouses</u> | <u>See Item 2 below.</u> |

These fixtures are permitted to be included in the watts per square foot calculation for means of egress illumination.

2. Amount of Illumination. Where means of egress illumination is required, illumination shall be provided at the rate of 0.1 watts of fluorescent or 0.05 watts of LED illumination per square foot of area. Installations using incandescent lamps shall have a minimum wattage of at least 3 times the fluorescent requirements. Use of other light sources is subject to the approval of the building official.

Exceptions:

1. In warehouses, the allowable minimum illumination is permitted to be 0.1 watt per square foot (0.03 watts for fluorescent or 0.02 watts for LED) provided fixtures are placed either:
 - 1.1 Where means of egress pathways are not designated, fixtures shall be placed to cover an area not larger than 1,600 square feet, or
 - 1.2 Where means of egress pathways are designated, fixtures shall be placed at least one for every 40 lineal feet.
2. In theaters, auditoriums or other places of assembly where motion pictures or other projections are made by means of directed light, the minimum allowable illumination is permitted to be reduced to 0.05 watts per square foot of floor area (0.02 watts for fluorescent or 0.01 watts for LED). The higher level of required illumination shall be automatically restored upon activation of a premises fire alarm system where such system is provided.
3. In Groups B, F-1, M and S-1 occupancies, when approved by the building official, the minimum

allowable illumination in the exit access is permitted to be reduced to 0.05 watts per square foot (0.02 watts for fluorescent or 0.01 watts for LED) of floor area.

4. In Group B occupancies and open parking garages, when approved by the building official, the illumination is permitted to be eliminated when within 50 feet of a window wall or open side and where light is not totally obscured.

Means of egress illumination fixtures shall be spaced and designed to give adequate distribution of light for safe egress and so that the failure of any individual lighting element, such as the burning out of a light bulb, will not leave any space in total darkness. Illumination from battery-operated fixtures shall provide the same level of illumination required for hard-wired fixtures.

1028.1 General. *Exits* shall discharge directly to the exterior of the building. The *exit discharge* shall be at grade or shall provide a direct path of egress travel to grade. The *exit discharge* shall not reenter a building except into an exit or as otherwise approved by the building official. The combined use of Exceptions 1 and 2 shall not exceed 50 percent of the number and minimum width or required capacity of the required exits.

Exceptions:

1. Not more than 50 percent of the number and minimum width or required capacity of *interior exit stairways* and *ramps* is permitted to egress through areas on the level of discharge provided all of the following conditions are met:
 - 1.1. Discharge of *interior exit stairways* and *ramps* shall be provided with a free and unobstructed path of travel to an exterior *exit* door and such *exit* is readily visible and identifiable from the point of termination of the enclosure.
 - 1.2. The entire area of the *level of exit discharge* is separated from areas below by construction conforming to the *fire-resistance rating* for the enclosure.
 - 1.3. The egress path from the *interior exit stairway* and *ramp* on the *level of exit discharge* is protected throughout by an *approved automatic sprinkler system*. Portions of the *level of exit discharge* with access to the egress path shall be either equipped throughout with an *automatic sprinkler system* installed in accordance with Section 903.3.1.1 or 903.3.1.2, or separated from the egress path in accordance with the requirements for the enclosure of *interior exit stairways* or *ramps*.
 - 1.4. Where a required *interior exit stairway* or *ramp* and an *exit access stairway* or *ramp* serve the same floor level and terminate at the same *level of exit discharge*, the termination of the *exit access stairway* or *ramp* and the *exit discharge* door of the *interior exit stairway* or *ramp* shall be separated by a distance of not less than 30 feet (9144 mm) or not less than one-fourth the length of the maximum overall diagonal dimension of the building, whichever is less. The distance shall be measured in a straight line between the *exit discharge* door from the *interior exit stairway* or *ramp* and the last tread of the *exit access stairway* or termination of slope of the *exit access ramp*.
 2. Not more than 50 percent of the number and minimum width or required capacity of the *interior exit stairways* and *ramps* is permitted to egress through a vestibule provided all of the following conditions are met:
 - 2.1. The entire area of the vestibule is separated from areas below by construction conforming to the fire-resistance rating of the interior exit stairway or ramp enclosure.
 - 2.2. The depth from the exterior of the building is not greater than 10 feet (3048 mm) and the ~~((length))~~ width is not greater than 30 feet (9144 mm).
 - 2.3. The area is separated from the remainder of the *level of exit discharge* by a *fire partition* constructed in accordance with Section 708.
- Exception:** The maximum transmitted temperature rise is not required.
- 2.4. The area is used only for *means of egress* and *exits* directly to the outside.

Interpretation I1028.1: Exception 2 applies only to vestibules with direct access from the interior exit stairway or ramp.

3. Horizontal exits complying with Section 1026 shall not be required to discharge directly to the exterior of the building.

1028.1.1 Remoteness of egress paths at building exterior. The paths of egress travel from separate exits shall be separated by at least 10 feet at the exterior of the building. Where 3 or more exits are required, at least 2 paths shall be arranged in accordance with this provision.

1208.1 Minimum room widths. *Habitable spaces*, other than a kitchen, shall be not less than 7 feet (2134 mm) in any plan dimension. Kitchens shall have a clear passageway of not less than 3 feet (914 mm) between counter fronts and appliances or counter fronts and walls.

1208.3 Room area. Every *dwelling unit* shall have no fewer than one room that shall have not less than 120 square feet (13.9 m²) of *net floor area*. Other habitable rooms shall have a *net floor area* of not less than 70 square feet (6.5 m²).

Exception: Kitchens are not required to be of a minimum floor area.

Interpretation I1208: Minimum room size is a combination of room width, ceiling height and room area as provided in 1208.1 through 1208.3. All portions of the net floor area required by Section 1208.3 shall be at least 7 feet wide measured perpendicular to the walls. A room designed so that a cylinder with a 7 foot diameter fits within its walls does not satisfy the requirements of Section 1208.

3016.16 Elevator landing illumination. Elevators shall comply with ASME A17.1, 2.11.10.2 Illumination at Landing Sills, as amended below.

2.11.10.2 Illumination at Landing Sills. The building corridors shall be so lighted that the illumination at the landing sills, when an elevator is in service, shall be not less than 100 lx (10 fc). Illumination under emergency power shall comply with Section 1008.